

DEC/FY06

**PAPAGO PARK MILITARY
RESERVATION**

Arizona

Army Defense Environmental
Restoration Program
Installation Action Plan

Final 31 Aug 2006

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Statement of Purpose

The purpose of the Installation Action Plan (IAP) is to outline the total multi-year Cleanup Program for an installation. The plan identifies environmental cleanup requirements at each site or area of concern, and proposes a comprehensive, installation-wide approach, with associated costs and schedules, to conduct investigations and necessary remedial actions.

In an effort to coordinate planning information between the restoration managers, U.S. Army Environmental Center (USAEC), Papago Park Military Reservation, NGB, executing agencies, and regulatory agencies, an IAP was completed. The IAP is used to track requirements, schedules and tentative budgets for all major Army installation cleanup programs.

All site-specific funding and schedule information has been prepared according to projected overall Army funding levels and is, therefore, subject to change.

The following agencies contributed to the formulation and completion of this Installation Action Plan during the IAP workshop held on: 1-2 December 2005.

Arizona Army National Guard (AZARNG)
Arizona Department for Environmental Quality (ADEQ)
AMEC Earth and Environmental, Inc.
Brown & Caldwell
CH2M Hill
EEC
Engineering & Environment, Inc. for USAEC
MKM Engineers
National Guard Bureau-ARE-I
USAEC/VERSAR

Acronyms & Abbreviations

AASF	Army Aviation Support Facility
ADEMA	Arizona Department of Emergency and Military Affairs
ADEQ	Arizona Department of Environmental Quality
AEDB-CC	Army Environmental Database - Compliance-related Cleanup
AEDB-R	Army Environmental Database - Restoration
AST	Aboveground Storage Tank
AWQS	Arizona Water Quality Standards
AZ ARNG	Arizona Army National Guard
bgs	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act (1980)
COC	Contaminants of Concern
CSMS	Combined Support Maintenance Shop
CTC	Cost-to-Complete
CTT	Closed, Transferred, or Transferring
cy	cubic yards
DEUR	Declaration of Environmental Use Restrictions
DD	Decision Document
DNT	Dinitrotoluene
DPDO	Defense Property Disposal Office (now known as DRMO)
DRMO	Defense Reutilization Marketing Office
EPA	(United States) Environmental Protection Agency
ER,A	Environmental Restoration, Army
FMO	Facility Management Officer
FS	Feasibility Study
FY	Fiscal Year
gal	gallon
GW	Groundwater
IAP	Installation Action Plan
IRP	Installation Restoration Program
K	\$1,000
LTM	Long-term Management
LQG	Large Quantity Generator
LUST	Leaking Underground Storage Tank
MCL	Maximum Contaminant Level
MEC	Munitions and Explosives of Concern
mg	milligrams
MMRP	Military Munitions Response Program
MW	Monitoring Well
NE	Not Evaluated
NFA	No Further Action
NGB	National Guard Bureau
NPDES	National Pollutant Discharge Elimination System

Acronyms & Abbreviations

NOV	Notice of Violation
NPL	National Priorities List
OMS	Operations Maintenance Shop
PAH	Polynuclear Aromatic Hydrocarbons
PA	Preliminary Assessment
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethene
POL	Petroleum, Oil & Lubricants
POM	Program Objective Memorandum (budget)
PPMR	Papago Park Military Reservation
PY	prior year
RA	Remedial Action
RA(C)	Remedial Action (Construction)
RAB	Restoration Advisory Board
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
RI	Remedial Investigation
RIP	Remedy in Place
ROD	Record of Decision
RPMP	Real Property Master Plan
RRSE	Relative Risk Site Evaluation
SI	Site Inspection
SVOC	Semi-Volatile Organic Compounds
TCA	Trichloroethane
TCE	Trichloroethene
TCP	Trichloropropane
TPH	Total Petroleum Hydrocarbons
TPH-D	Total Petroleum Hydrocarbons as Diesel
TPH-G	Total Petroleum Hydrocarbons as Gasoline
TRPH	Total Recoverable Petroleum Hydrocarbons
TTLC	Total Toxic Leachable Concentration
ug/l	microgram per liter
USACE	United States Army Corps of Engineers
USAEC	United States Army Environmental Center
USACHPPM	(United States Army Center for Health Promotion and Preventive Medicine (formerly USAEHA)
USAEHA	United States Army Environmental Hygiene Agency (now USACHPPM)
USATHMA	United States Army Toxic and Hazardous Material Agency (now USAEC)
UST	Underground Storage Tank
VOC	Volatile Organic Compounds
yr	year

Installation Locale: The National Guard of Arizona (AZ ARNG) was established on April 21st, 1930 by Public Law 92 of the 71st Congress. The Act served to abolish the Papago Saguaro National Monument, of which the north half northeast quarter section 5; north half northwest quarter section 4, township 1 north, range 4 east, and the southeast quarter section 32; and the southwest quarter section 33, township 2 north, range 4 east, public lands were reserved for military purposes, specifically a rifle range. The site occupies approximately 480 acres of land, and is bounded by Oak Street to the north, 52nd Street to the west, and the City of Phoenix Papago Park Phoenix to the south and east.

Installation Mission: PPMR serves as the Joint Forces Headquarters for the Arizona National Guard. PPMR also hosts operational National Guard units at the installation

Lead Organization:

Headquarters, National Guard Bureau

Lead Executing Agencies:

NGB-ARNG

USAEC

Regulatory Participation:

Arizona Department of Environmental Quality (ADEQ)

National Priorities List (NPL) Status: Not on NPL

Installation Restoration Advisory Board (RAB)/Technical Review Committee (TRC)/Technical Assistance for Public Participation (TAPP) Status: Based on the industrial environment surrounding PPMR, a RAB has not been established. This issue will continue to be assessed in the future.

Installation Program Summaries

IRP

Primary Contaminants of Concern: Metals

Affected Media of Concern: Soil

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 2005

Funding to date (up to FY05): \$150,000

Current year funding (FY06): \$ 30,000

Cost-to-Complete (FY07+): \$100,000

MMRP

Primary Contaminants of Concern: Metals, Propellants

Affected Media of Concern: Soil

Estimated Date for RIP/RC: 201309

Funding to date (up to FY05):\$197,967

Current year funding (FY06): \$0

Cost-to-Complete: \$1,721,000

Cleanup Program Summary

Historic Activity: Since the Congressional designation in 1930, Papago Park Military Reservation (PPMR) has been an active military facility and rifle range. The PPMR has numerous structures and buildings that are predominantly located along the western portion of the facility. The current and historical activities at the facility include training and administration, aircraft fueling and maintenance activities, motor vehicle fueling and maintenance activities, fuel and solvent storage areas, gunnery ranges, detonation areas, and bunkers. The AZ ARNG leases portions of the installation to the U.S. Air Force for administrative and training purposes. The cumulative activities over time at the PPMR have resulted in the identification of 11 areas that have the potential for environmental concerns.

The PPMR lies within the West Salt River Valley area of the Phoenix Active Management Area. Since 1947, depth to groundwater in the unconsolidated alluvial sediment near PPMR has increased regional and local changes in the direction of flow. Generally, historical groundwater movement was primarily westward toward the Salt River channel.

Because the PPMR is on the bedrock highlands and is largely underlain by crystalline rock, very little water if any is present in its vicinity. Depth to groundwater beneath the site ranges from 6 feet to 42 feet below grade; however, groundwater does not exist everywhere beneath PPMR.

The PPMR mission has been consistent with training and administration since the facility was established in 1930. Onsite training activities have, and continue to include: aircraft fueling and maintenance, motor vehicle fueling and maintenance activities, fuel and bunker storage areas. Several training and operational practices were discontinued in the past including: solvent storage areas, gunnery ranges, detonation areas, and long-term storage of hazardous materials. Current and historical hazardous substances associated with PPMR operations include: oil and lubricants, hydraulic fluid, brake fluid, antifreeze, gasoline (leaded and unleaded), diesel, aviation fuels, solvents, paint/related materials, cleaning compounds/detergents, welding gases, pesticides, PCBs, batteries, and munitions.

In 1946, a Combined Support Maintenance Shop (CSMS) (Building M5354) was established for the purpose of servicing and maintaining approximately 150 vehicles. Since that time, two more CSMSs have been established at the facility (Building M5340 and M5370), however; only Building M5370 currently continues to operate as a CSMS facility. In 1973, and 1985 Operational Maintenance Shops OMS #4 and OMS #7, respectively, were established to service and maintain small vehicles. Both facilities remain as maintenance facilities. Based on the few records available and interviews with past and present employees, petroleum naphtha has historically been the primary solvent used. Limited quantities of TCA and chlorinated hydrocarbons have been used; primarily by the AASF facility and wash racks. Prior to 1973, the AZ ARNG did not maintain purchase and use records for solvents. Throughout the history of the facility, numerous underground and aboveground storage tanks have been used for storage of fuels, waste oil and solvents.

Cleanup Program Summary

Prior to 1957, and on occasion through 1983, waste oils and solvents were spread on roadway surfaces as dust control agents. Since 1957, with the exception of the above, waste oils and solvents have been collected in storage tanks and 55-gallon drums and turned over to the DPDO at Luke Air Force Base for disposal, although during 1980 and 1981, waste oils and solvents at the AASF were collected in 55-gallon drums and disposed of by a private vendor. Beginning in 1983, TCA waste was stored in 55-gallon drums and turned over to the DPDO at Luke Air Force Base for disposal. The AASF shop is reported to have had a 35-gallon solvent tank that was used for the storing of TCA. Additional historical information regarding waste disposal is not available.

The facility was connected to the City of Phoenix sanitary sewer in the mid-1950s. Prior to that time, a number of the facility operations, including maintenance and administrative offices, were serviced by septic systems and leach fields, which may have received hazardous waste substances. Reportedly, construction debris was buried on the site prior to 1992; however, there was no information indicating that other waste may have been buried on the property.

Since the mid-1980s, numerous environmental investigations have been conducted at multiple PPMR locations for specific environmental concerns. Due to the age of the facility, earlier records are not available for many of the historical environmental management practices.

Current Activity: PPMR is currently a Resource Conservation and Recovery Act (RCRA) large quantity generator (LQG) of hazardous waste, and generates various solid and special wastes. The facility has not applied for a RCRA Part A or Part B treatment, storage and disposal facility permit. According to ADEQ, the facility has not received a Notice of Violation (NOV) for non-compliance with environmental regulations.

IRP

Progress to date: Five of the IRP sites for PPMR all have RC. AZ ARNG and the ADEQ have agreed to implement land use control for Site S. Closure of Site S is conditional upon implementation of Access and Institutional Controls (physical and administrative Land Use Controls (LUCs) by amendment to the operational Real Property Master Plan (RPMP) for the PPMR facility. The amendment directs maintenance of a perimeter fence and signage, preparation of annual status reports submitted to ADEQ and the Army Environmental Center (AEC), and requires ADEQ and AEC technical review and approval prior to any disturbance of any soil of Site S or change in LUCs. If ownership is ever transferred outside the military, remediation will be required, or a conventional Declaration of Environmental Use Restriction (DEUR) will be implemented.

Future Plan of Action: Implement annual inspections as required by ADEQ. A decision document for site closure is currently being reviewed by ADEQ.

Cleanup Program Summary

MMRP

Progress to date: The SI report was completed in the fall of 2005 to address metals contamination. Recommendations were to conduct a remedial investigation.

Future Plan of Action: RI/FS is scheduled to commence in 2008.

PAPAGO PARK MILITARY RESERVATION

Installation Restoration Program

Total AEDB-R IRP Sites / AEDB-R sites with Response Complete: 5/5

Different Site Types:

1 Wash Rack
1 Explosive Ordnance Disposal Area
1 Underground Tank Farm
2 Underground Storage Tanks

Most Widespread Contaminants of Concern: Metals

Media of Concern: Soil

Completed Removal (REM)/Interim Remedial Action (IRA)/Remedial Action (RA):

UST Removals (Non-ER,A Funds)

Total IRP Funding

Prior years (up to FY05):	\$150K
Expected funding (FY06):	\$ 30K
Future Requirements (FY07+):	\$100K
Total:	\$280K

Duration IRP

Year of IRP Inception: 1989
Year of IRP RC: 2005
Year of IRP Completion including Long Term Management (LTM): 2035

IRP Contamination Assessment

IRP Contamination Assessment Overview

The PPMR mission has been consistent with training and administration since the facility was established in 1930. Onsite training activities have, and continue to include: aircraft fueling and maintenance, motor vehicle fueling and maintenance activities, fuel and bunker storage areas. Several training and operational practices were discontinued in the past including: solvent storage areas, gunnery ranges, detonation areas, and long-term storage of hazardous materials. Current and historical hazardous substances associated with PPMR operations include: oil and lubricants, hydraulic fluid, brake fluid, antifreeze, gasoline (leaded and unleaded), diesel, aviation fuels, solvents, paint/related materials, cleaning compounds/detergents, welding gases, pesticides, PCBs, batteries, munitions.

In 1946 a Combined Support Maintenance Shop (CSMS) (Building M5354) was established for the purpose of servicing and maintaining approximately 150 vehicles. Since that time, two more CSMSs have been established at the facility (Building M5340 and M5370), however; only Building M5370 currently continues to operate as a CSMS facility. In 1973, and 1985 Operational Maintenance Shops OMS #4 and OMS #7, respectively, were establish to service and maintain small vehicles. Both facilities remain as maintenance facilities. Based on the few records available and interviews with past and present employees, petroleum naphtha has historically been the primary solvent used. Limited quantities of TCA and chlorinated hydrocarbons have been used; primarily by the AASF facility and wash racks. Prior to 1973, the AZ ARNG did not maintain purchase and use records of solvents. Throughout the history of the facility, numerous underground and aboveground storage tanks have been used for storage of fuels, waste oil and solvents.

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Since the mid-1980s numerous environmental investigations have been conducted at multiple PPMR locations for specific environmental concerns. Due to the age of the facility, earlier records are not available for many of the historical environmental management practices.

IRP Contamination Assessment

PPMR is currently a Resource Conservation and Recovery Act (RCRA) large quantity generator (LQG) of hazardous waste, and generates various solid and special wastes. The facility has not applied for a RCRA Part A or Part B treatment, storage and disposal facility permit.

IRP Cleanup Exit Strategy

LTM and 5 year reviews for site PMR-S will continue through 2035.

1987

- Sites A, B, C, D, E - Remedial Investigation Report, Engineering-Science

1989

- Sites C, F, I - Underground Storage Tank Assessment, EMCON Associates

1990

- Site J - Site Investigation Report, Delta Environmental Consultants, Inc.

1991

- Site L - Tank Removal and Site Assessment, Uniserve Technologies, Inc.

1992

- Site K - Investigation/Site Characterization of Fuel Contaminated Subsoils at OMS #4, the Earth Technology Corporation
- Site K - Remediation and Closure Report for the Excavation and Asphalt Encapsulation of Petroleum Contaminated Soil, Resna

1993

- Site H, I - Phase II Investigation Report, CSMS Annex and MW-4 Sites, Delta Environmental Consultants, Inc.
- Site G - Site Characterization Report, Delta Environmental Consultants, Inc.

1994

- Site N - Supplemental Soil Sampling at Building M103, Industrial Compliance
- Site N - Underground Storage Tank Closure Report, Industrial Compliance

1996

- Site A, B, E, - Phase II Site Investigation Report, Building 22, Building M5335, and former drum storage sites, Delta Environmental Consultants, Inc.,
- Site G - Corrective Action Plan, Delta Environmental Consultants, Inc.
- Site I - Tank Removal Report, Field Work Completed, Delta Environmental Consultants, Inc., August 30, 1996

1996

- Site I - OMS #4 - Class V Injection Well Closure Data, Delta Environmental Consultants, Inc.
- Site L - Phase I Preliminary Environmental Site Assessment, New Combined Support Maintenance Shop Site, Delta Environmental Consultants, Inc.

1997

- Site M - Phase I Preliminary Environmental Site Assessment, New Combined Support Maintenance Shop Site, Delta Environmental Consultants, Inc.
- Site G - First Quarter 1997 Quarterly Monitoring Report, Former JP-4 Fuel Farm, Delta Environmental Consultants, Inc.

1998

- Site S - Former Skeet Shooting Range, Delta Environmental Consultants, Inc.

2000

- All Sites - Abbreviated Preliminary Assessment, International Technologies

2003

- Sites A, D, E and S - additional characterization work, Secor International, Inc.

2004

- Supplemental characterization of site S, Secor International, Inc.

PAPAGO PARK MILITARY RESERVATION

Installation Restoration Program Site Description

PMR-S FORMER OB/OD AND SKEET RANGE

SITE DESCRIPTION

Located to the south of McDowell Road, the site is currently vacant property with no buildings or structures. A shooting range was used for skeet target practice from 1954 to 1977. Lead pellets and clay pigeon fragments were deposited on the surface during the course of normal range operations. Currently, the site is known as Lake Owens. During construction, soil from the former skeet range was moved to northeast of the Moreland Street Armory. Laboratory analysis of soil samples collected from the stockpile area indicated the presence of lead and PAH compounds above the ADEQ soil action levels. Fifty additional soil samples were collected from the outfall to assess possible NFA/LUC and delineation of range footprint.

Soil investigation revealed that the site characterization was adequate and no further remediation or investigation is required.

Program Decision Document is under review by ADEQ.

CLEANUP STRATEGY

LTM consists of institutional controls at this site for 30 years and five-year reviews.

STATUS

REGULATORY DRIVER: CERCLA

RRSE: NE

CONTAMINANTS OF CONCERN:
Metals

MEDIA OF CONCERN: Soil

Phases	Start	End
PA.....	199909	200009
SI	200010	200401
LTM	200601	203501

RC: 200401

IRP No Further Action Sites Summary

AEDB-R #	Site Title	Documentation/Reason for NFA	NFA Date
PMR-A	Building M5222 Wash Rack	SI level work completed. Successfully negotiated risk based site closure, based on current data, with ADEQ.	200304
PMR-F	Building M5370 Waste Oil Tank	SI level work completed. Successfully negotiated risk based site closure, based on current data, with ADEQ.	200304
PMR-I	Building M5331 Former Gasoline Tank	SI level work completed. Successfully negotiated risk based site closure, based on current data, with ADEQ.	200304
PMR-L	OMS-4 & 7 Injection Wells	SI level work completed. Successfully negotiated risk based site closure, based on current data, with ADEQ.	200304

Initiation of IRP: 1989

Past Phase Completion Milestones

Various environmental investigations, studies, and reports have been conducted since 1970 to address possible contamination at PPMR. A schedule of current & future IRP work is below.

Projected Record of Decision (ROD)/Decision Document (DD) Approval Dates: 2006

Projected Construction Completion Date of IRP and Removal from NPL: N/A

Schedule for Next Five Year Review: 2011

Estimated Completion Date of IRP (including LTM phase): 2035

Papago Park IRP Schedule

(Based on current funding constraints)

AEDB-R#	PHASE	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15+
PMR-S	LTM									203501

Prior Years Funds**Total Funding up to FY04: 150,000**

Year	Site Information	Expenditures	FY Total
FY05		\$0	\$0

Total Funding up to FY05: \$150K***Current Year Requirements***

Year	Site Information	Expenditures	FY Total
FY06		\$30,000	\$30,000

Total Funding up to FY06: \$180,000***Total Future Requirements: \$100,000******Total IR Program Cost (from inception to completion of the IRP): \$280,000***

PAPAGO PARK MILITARY RESERVATION

Military Munitions Response Program

Total AEDB-R MMRP Sites / AEDB-R sites with Response Complete: 2/0

AEDB-R Site Types

2 Small Arms Range

Most Widespread Contaminants of Concern: Metals, Propellants

Media of Concern: Soil

Completed REM/IRA/RA: None

Total MMRP Funding:

Prior years (up to FY05):	\$ 197,967
Current Year (FY06):	\$ 0
Future Requirements (FY07+):	<u>\$1,721,000</u>
Total:	\$1,918,967

Duration of MMRP

Year of MMRP Inception: 2002

Year of MMRP RIP/RC: 2013

Year of MMRP Completion including LTM: 2013

MMRP Contamination Assessment

MMRP Contamination Assessment Overview

The Phase 3 Army Range Inventory was completed at Papago Park Military Reservation in May 2003. The inventory identified one site as eligible for the MMRP. The Phase 3 inventory serves as the preliminary assessment under CERCLA. A site inspection began in May 2004 and was completed in the fall 2005. An additional MMRP site was discovered during the Site Inspection.

MMRP Cleanup Exit Strategy

The installation will complete follow up remedial investigations and studies based on results from initial site investigations indicating the presence of contamination. Follow on phases/actions will be executed as required in the individual site cleanup strategies.

2005

Site Inspection Report, Techlaw, September

PAPAGO PARK MILITARY RESERVATION

Military Munitions Response Program Site Descriptions

PMR-001-R-01

RANGE 1

SITE DESCRIPTION

Range 1 is a former small arms range located on an area that is now an undeveloped area partially covered by a road and located in the approximate center of Papago. The former range is north of McDowell Road which bisects the lower one-third of the site from east to west. Its size has been estimated at 27 acres. The boundaries of this range were approximated based on the location of the firing point, target area, and bordering roads visible in an aerial photograph with an estimated date of 1947 or 1948. This date was provided by the Environmental staff at Papago. Additional aerial photographs from each decade through the present were also provided. These photographs depict the site as it changed over the years.

Range 1 is located on an area that is now covered by numerous improvements including buildings, parking lots, an airstrip, and a baseball field. The CTT Range Inventory Report identified only this one range, consisting of approximately 27 acres. However, during the Historical Records Review, two additional former small arms ranges were identified adjacent to Range 1. They are partially overlain by an active range. The non-operational portions of these former ranges, consisting of approximately 11 acres, are now included in this site. This "range complex" is located northeast of the intersection of McDowell Road and 52nd Street.

The three former ranges were used for small arms. A portion of Range 1 was identified as a potential practice grenade range (Site R in AEDB-R, which is RC per ADEQ). The results of previous geophysical and soil investigations of the grenade range indicated no MEC, and lead, mercury, and DNT detections below regulatory guidelines. Preliminary contaminants of concern at the ranges include metals and explosives. A Site Inspection was completed in the fall of 2005 and results are pending.

CLEANUP STRATEGY

Based on SI results, an RI/FS will commence in 2008 and any RD and RA(C) will be conducted if required.

STATUS

REGULATORY DRIVER: CERCLA

RAC Score: Negligible Risk

CONTAMINANTS OF CONCERN:
Metals, Propellants

MEDIA OF CONCERN: Soil

Phaes	Start	End
PA.....	200201	200305
SI	200405	200509
RI/FS	200810	201009
RD	201110	201204
RA(C).....	201205	201309

RC: 201309

PMR-002-R-01

SMALL ARMS RANGE COMPLEX

SITE DESCRIPTION

The Small Arms Range Complex is comprised of 11.60 acres and is located directly north of Range 1. The site is comprised of several historical small arms ranges that were in use as early as 1947 and as late as 1996. These ranges were identified in aerial photographs. The majority of the site is undeveloped except for the southern boundary of the site, which has some office buildings and parking areas used by installation personnel on it. Because no historical records were available to delineate the size and operation of these ranges, an estimated footprint of the ranges was developed by establishing a boundary around the approximate firing points and berms associated with each range. The following items were found on the range: expended projectiles, shell casings, and expended 7.62mm rounds.

A Site Inspection was completed in the fall 2005.

CLEANUP STRATEGY

Based on SI results, an RI/FS will commence in 2008 and any RD and RA(C) will be conducted if required.

STATUS

REGULATORY DRIVER: CERCLA

RAC Score: Negligible Risk

CONTAMINANTS OF CONCERN:
Metals, Propellants

MEDIA OF CONCERN: Soil

Phases	Start	End
PA.....	200201	200305
SI	200405	200509
RI/FS	200810	201009
RD	201110	201204
RA(C).....	201205	201309

RC: 201309

Initiation of MMRP: 2002

Past Phase Completion Milestones: Completed SI in fall 2005

Projected ROD/DD Approval Dates: 201009 (based on end date of RI Phase if required)

Projected Construction Completion: 201309

Schedule for Five Year Reviews: None scheduled

Estimated Completion Date of MMRP including LTM: 201309

Papago Park Military Reservation MMRP Schedule

(Based on current funding constraints)

AEDB-R#	PHASE	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15+
PMR-001-R-01	RI/FS									
	RD									
	RA(C)									
PMR-002-R-01	RI/FS									
	RD									
	RA(C)									

Prior Years Funds**Total Funding up to FY04: \$180,000**

Year	Site Information	Expenditures	FY Total
FY05	SI	\$17,787	\$17,787

Total Funding up to FY05: \$197, 967***Current Year Funds***

Year	Site Information	Expenditures	FY Total
FY06		\$0	\$0

Total Funding up to FY06: \$197, 967***Total Future Requirements: \$1,721,000******Total MMR Program Cost (from inception to completion of the MMRP): \$1,918,967***

Based on the industrial environment surrounding PPMR, no Restoration Advisory Board (RAB) has been established to date, however the community will be solicited on a periodic basis and this issue will continue to be assessed in the future.